

ADDITIONAL REMARKS:

COC REV 3/99

11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244

East 11115 Montgomery, Suite B, Spokane, WA 99206-4776

9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711 (425) 420-9200 ~4X 420-9210 (509) 924-9200

.X 924-9290

(503) 906-9200 FAX 906-9210 (541) 383-9310 FAX 382-7588

R. H.

CHAIN OF CUSTODY REPORT

Work Order #.

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CLIENT: Bristol Environ i Engineering				INVO	INVOICETO: BriskI ENVION Mental					1	TURNAROUND REQUEST in Business Days*							
CLIENT: Bristol Environ : Engineering REPORT TO: Anna Kranawetter ADDRESS: 200												Organic & Inorganic Analyses 10 7 5 4 3 2 1 < 1 STD. Petroleum Hydrocarbon Analyses 5 4 3 2 1 < 1						
PHONE: 907-770-0975 FAX: 770-0975 PROJECT NAME: Amchita				P.O. 1	P.O. NUMBER: 21090													
PROJECT NAME: Anchita PROJECT NUMBER: 21040 SAMPLED BY: Any / Charly					REC	QUESTI	TED ANA	IALYSES	5					*Turnare	ОТН	Please Speci		
CLIENT SAMPLE	SAMPLING	Glycol						,						MATRIX	# OF			NCA WO
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PRINT NAME: Chinks Ma RELINQUISHED BY:	-sly FIRM:	JULGE	2 /	TIME				RECEIVED BY: Rockel and					DATE: 5/29/0					
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Seattle 11720 Creek Pkwy N, Suite 400, Bothell, WA 98011-8244

425.42. ,0 fax 425.420.9210 Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776

509.924.9200 fax 509.924.9290

Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132 503.906.9200 fax 503.906.9210

Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711 541.383.9310 fax 541.382.7588

10 November, 2001

Anne Krarawetter Bristol Environmental & Engineering 2000 W. International Airport Rd. #C-1 Anchorage, AK 99502-1116

RE: Amchitka

Enclosed are amended results of analyses for samples received by the laboratory on 05/29/01 16:00. If you have any questions concerning this report, please feel free to contact me. These results supercede all previous results reported by the laboratory.

Sincerely,

Jerry Orlando

Project Manager/QA

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Work Orders included in this report:

P1E0818



11720 Creek Pkwy N, Suite 400, Bothell, WA 98011-8244 425.42 J fax 425.420.9210 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776 509.924.9200 fax 509.924.9290 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132 503.906.9200 fax 503.906.9210 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711 541.383.9310 fax 541.382.7588

Bristol Environmental & Engineering 2000 W. International Airport Rd. #C-1 Anchorage, AK 99502-1116

Project: Amchitka

Project Number: 210901, PO# 21090

Project Manager: Anne Krarawetter

Amended Report Issued: 11/10/01 14:08

ANALYTICAL REPORT FOR SAMPLES - Amended

Sample ID	Laboratory ID	75-41						
01AMA105MI		Matrix	Date Sampled	Date Received				
	P1E0818-01	Water	05/24/01 14:00	05/29/01 16:00				

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jerry Orlando, Project Manager/QA

North Creek Analytical, Inc. **Environmental Laboratory Network**

Page 1 of 4



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Spokane 423.422 J 18X 425.420.9210 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776 509.924.9200 fax 509.924.9290 Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132 503.906.9200 fax 503.906.9210

20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711 541.383.9310 fax 541.382.7588

Bristol Environmental & Engineering 2000 W. International Airport Rd. #C-1 Anchorage, AK 99502-1116

Project: Amchitka

Project Number: 210901, PO# 21090 Project Manager: Anne Krarawetter

Amended Report Issued: 11/10/01 14:08

Glycols by GC/FID

North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMA105MI (P1E0818-01) Water					Sampled: 05/2	4/01 Rece	ived: 05/29/	01	R-02
Diethylene Glycol Ethylene Glycol	ND ND	100 100	mg/l	5	EPA 8015m	05/31/01	05/31/01	1051160	K-02
Propylene Glycol Surr: 1,2-Pentanediol	1660	100		fl	11	н		ii	
Surr. 1,2-Fentaneatol	114%	50-150							

North Creek Analytical - Portland

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Jerry Orlando, Project Manager/QA



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Project: Amchitka

Project Number: 210901, PO# 21090

Project Manager: Anne Krarawetter

Amended Report Issued: 11/10/01 14:08

Glycols by GC/FID - Quality Control

North	Creek	Analytical	- Portland

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1051160 - GC Semivolatiles							·			
Blank (1051160-BLK1)				Prepared	& Analyze	d· 05/31/	01			
Diethylene Glycol	ND	20.0	mg/l		CO 7 HILLIY Z.C	5d. 05/51/				
Ethylene Glycol	ND	20.0	11							
Propylene Glycol	ND	20.0	ıı							
Surr: 1,2-Pentanediol	195		"	200		97.5	50-150			
LCS (1051160-BS1)				Prepared	& Analyza	ed: 05/31/	01			
Diethylene Glycol	209	20.0	mg/l	200		104	50-150			
Ethylene Glycol	213	20.0	"	200		106	50-150			
Propylene Glycol	211	20.0	и	200		106	50-150			
Surr: 1,2-Pentanediol	211		"	200		106	50-150			
LCS Dup (1051160-BSD1)				Prepared a	& Analyze	d: 05/31/	01			
Diethylene Glycol	218	20.0	mg/l	200	oo i didiy Ex	109	50-150	4.22	50	
Ethylene Glycol	223	20.0	11	200		112	50-150	4.59	50	
Propylene Glycol	219	20.0	II	200		110	50-150	3.72	50	
Surr: 1,2-Pentanediol	215		"	200		108	50-150			
plicate (1051160-DUP1) Source: P1E0818-01		Prepared & Analyzed: 05/31/01					R-0			
Diethylene Glycol	ND	100	mg/l		ND				50	K-U.
Ethylene Glycol	ND	100	"		ND				50	
Propylene Glycol	1570	100	#		1660			5.57	50	
Surr: 1,2-Pentanediol	215		n	200		108	50-150			

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Project: Amchitka

Project Number: 210901, PO# 21090 Project Manager: Anne Krarawetter

Amended Report

Issued: 11/10/01 14:08

Notes and Definitions

The reporting limit for this analyte was raised due to the high analyte concentration present in the sample. R-02

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

Sample results reported on a dry weight basis. MRLs are adjusted if %Solids are less than 50%. dry

Sample results reported on a wet weight basis (as received) wet

RPD Relative Percent Difference

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